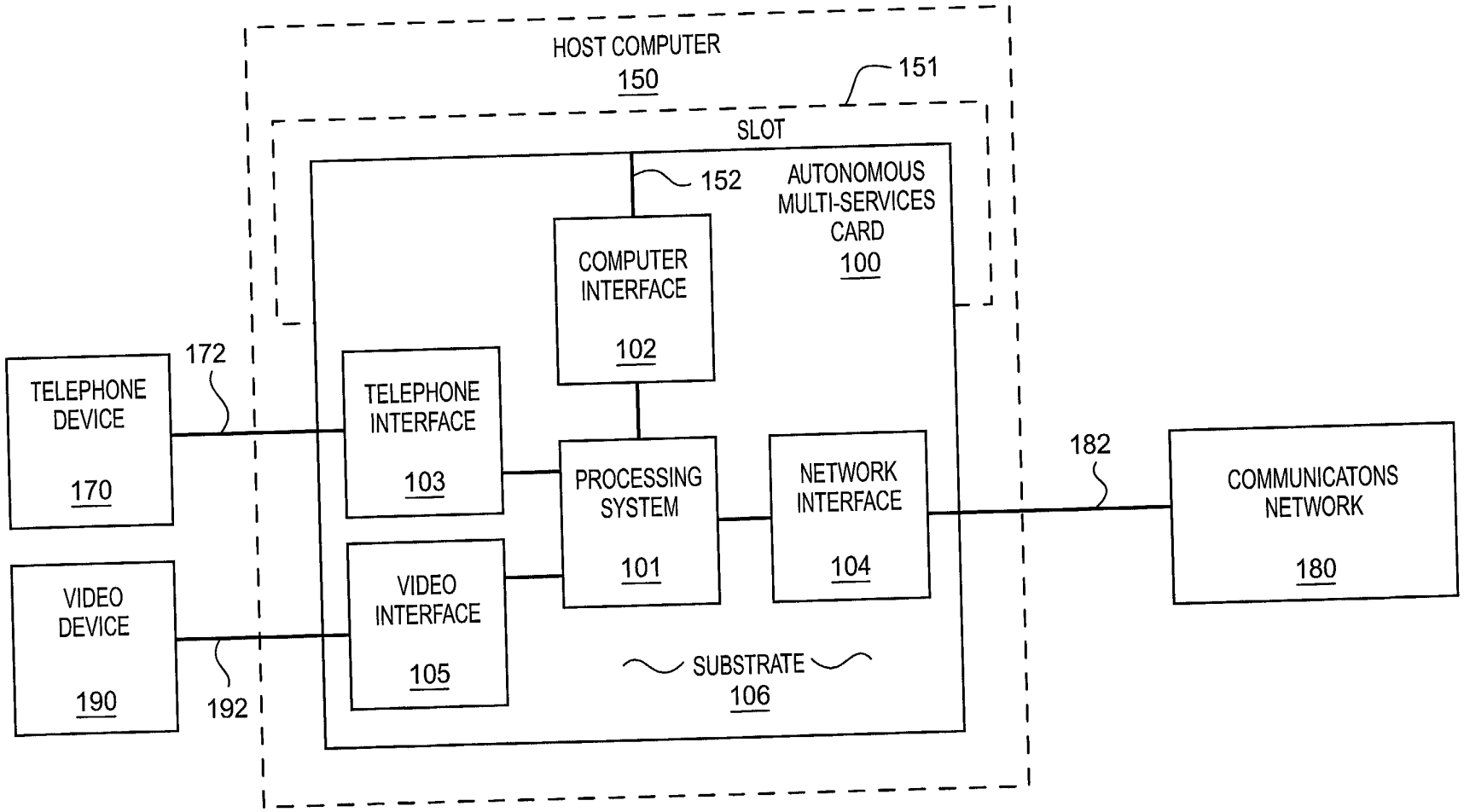
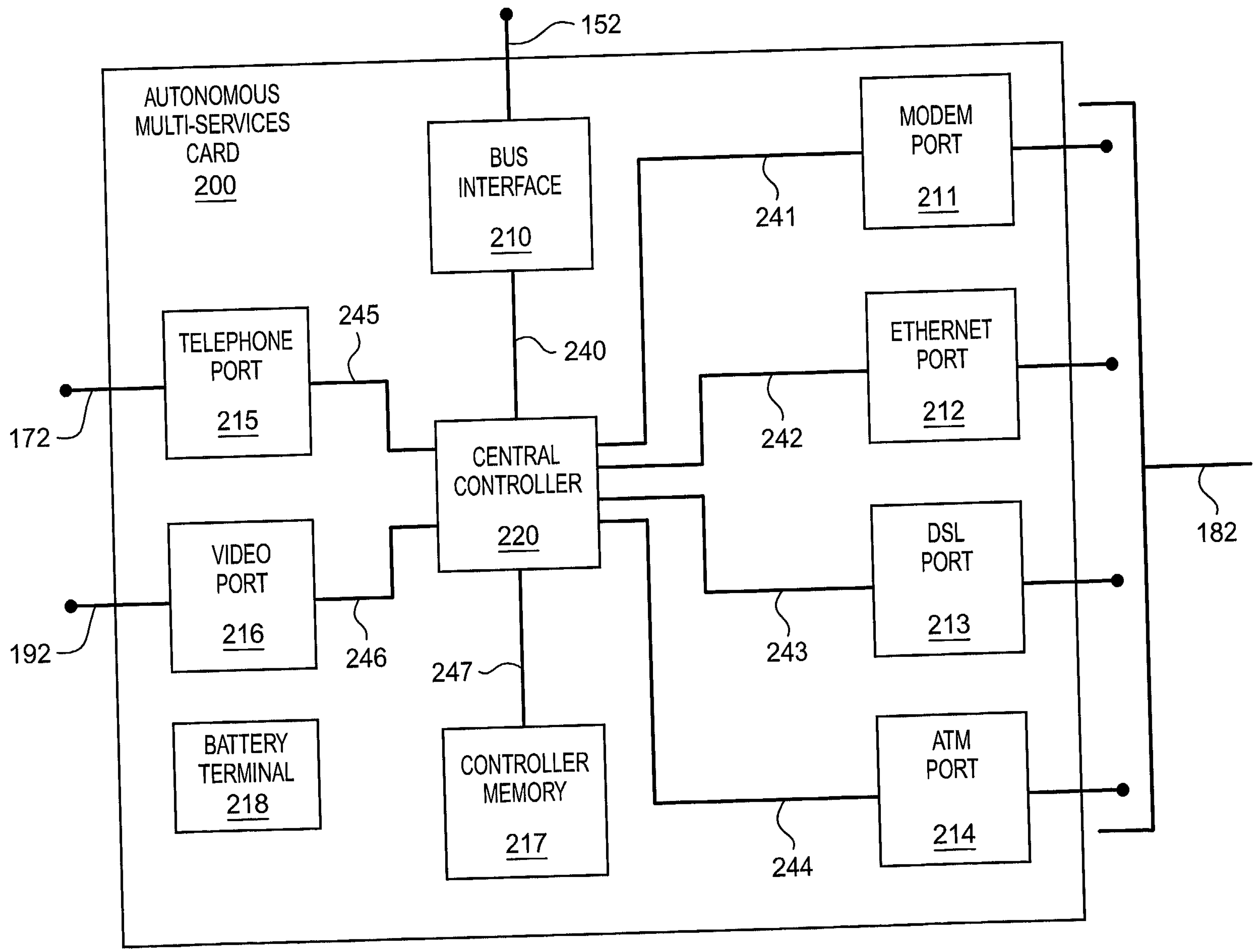

HOST COMPUTER
150
151
SLOT
152
AUTONOMOUS
MULTI-SERVICES
CARD
100
COMPUTER
INTERFACE
102
172
TELEPHONE
DEVICE
170
TELEPHONE
INTERFACE
103
PROCESSING
SYSTEM
101
NETWORK
INTERFACE
104
182
COMMUNICATONS
NETWORK
180
VIDEO
DEVICE
190
192
VIDEO
INTERFACE
105
SUBSTRATE
106

FIG. 1



152
AUTONOMOUS MULTI-SERVICES CARD 200
BUS INTERFACE 210
MODEM PORT 211
241
245
240
TELEPHONE PORT 215
ETHERNET PORT 212
172
242
CENTRAL CONTROLLER 220
182
VIDEO PORT 216
DSL PORT 213
192
246
247
243
BATTERY TERMINAL 218
CONTROLLER MEMORY 217
ATM PORT 214
244

FIG. 2

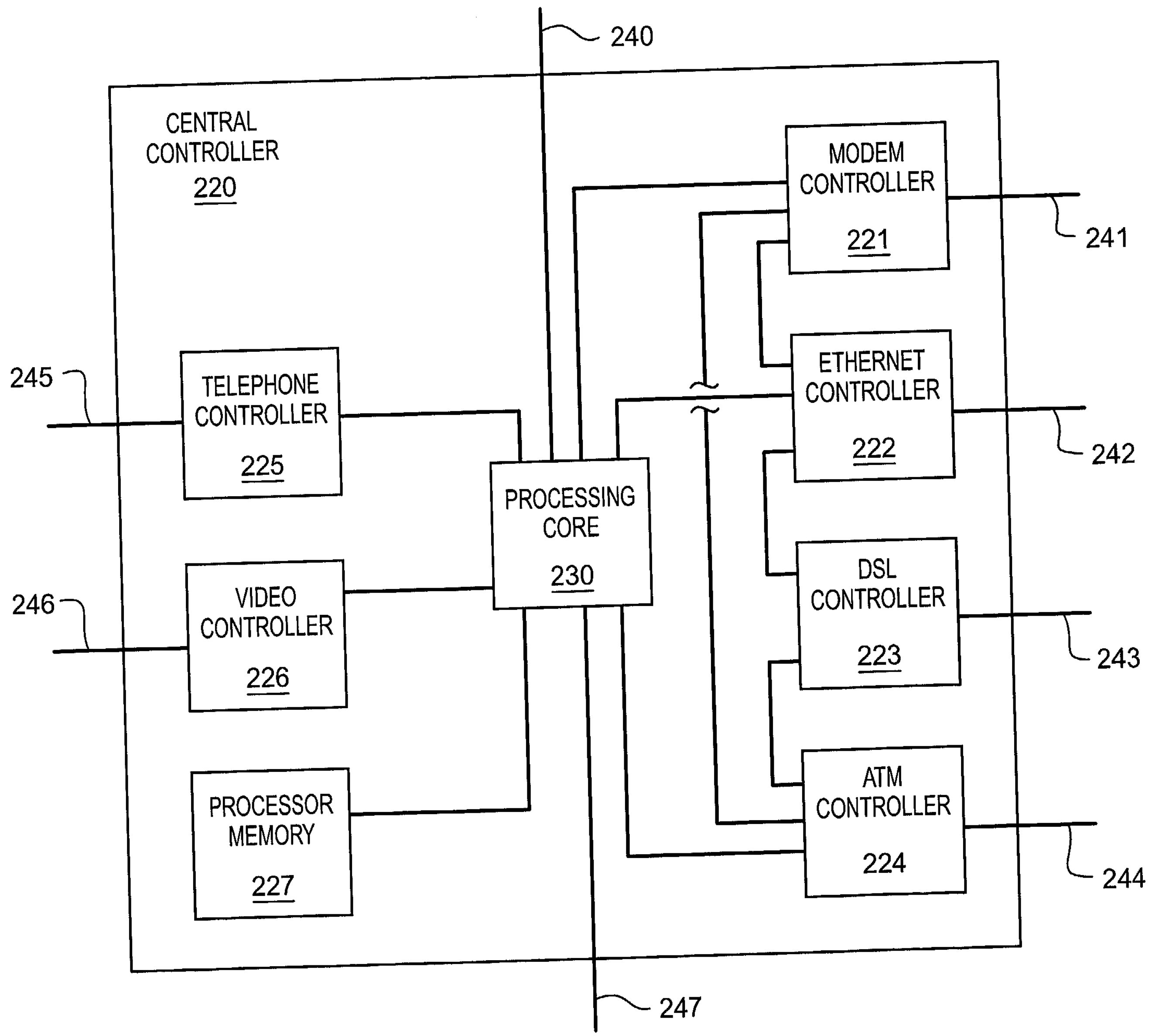

240
CENTRAL
CONTROLLER
220
MODEM
CONTROLLER
221
241
245
TELEPHONE
CONTROLLER
225
ETHERNET
CONTROLLER
222
242
PROCESSING
CORE
230
246
VIDEO
CONTROLLER
226
DSL
CONTROLLER
223
243
PROCESSOR
MEMORY
227
ATM
CONTROLLER
224
244
247

FIG. 3

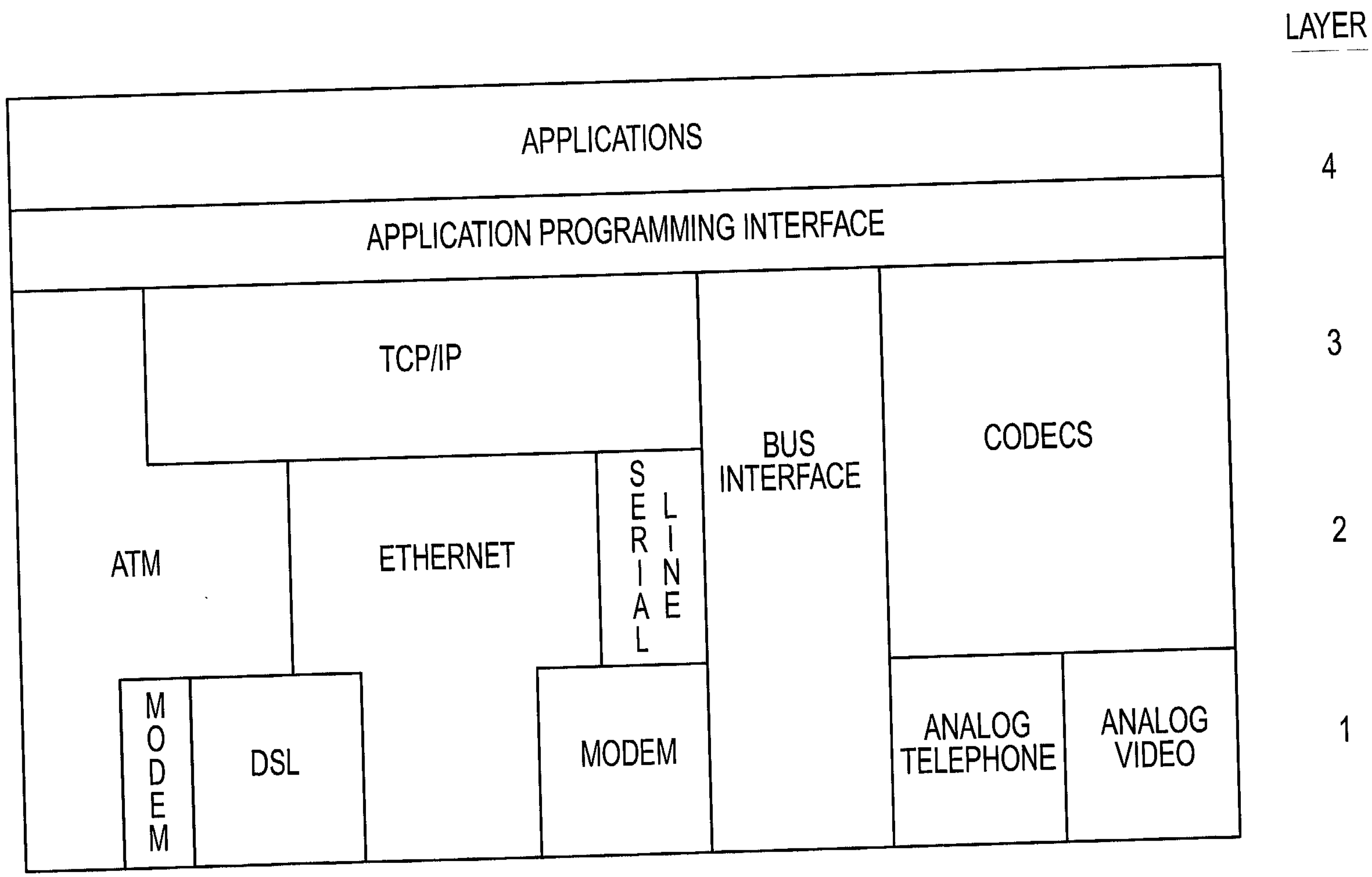

LAYER
4
3
2
1
APPLICATIONS
APPLICATION PROGRAMMING INTERFACE
TCP/IP
BUS INTERFACE
CODECS
ATM
ETHERNET
SERIAL LINE
MODEM
DSL
MODEM
ANALOG TELEPHONE
ANALOG VIDEO

FIG. 4

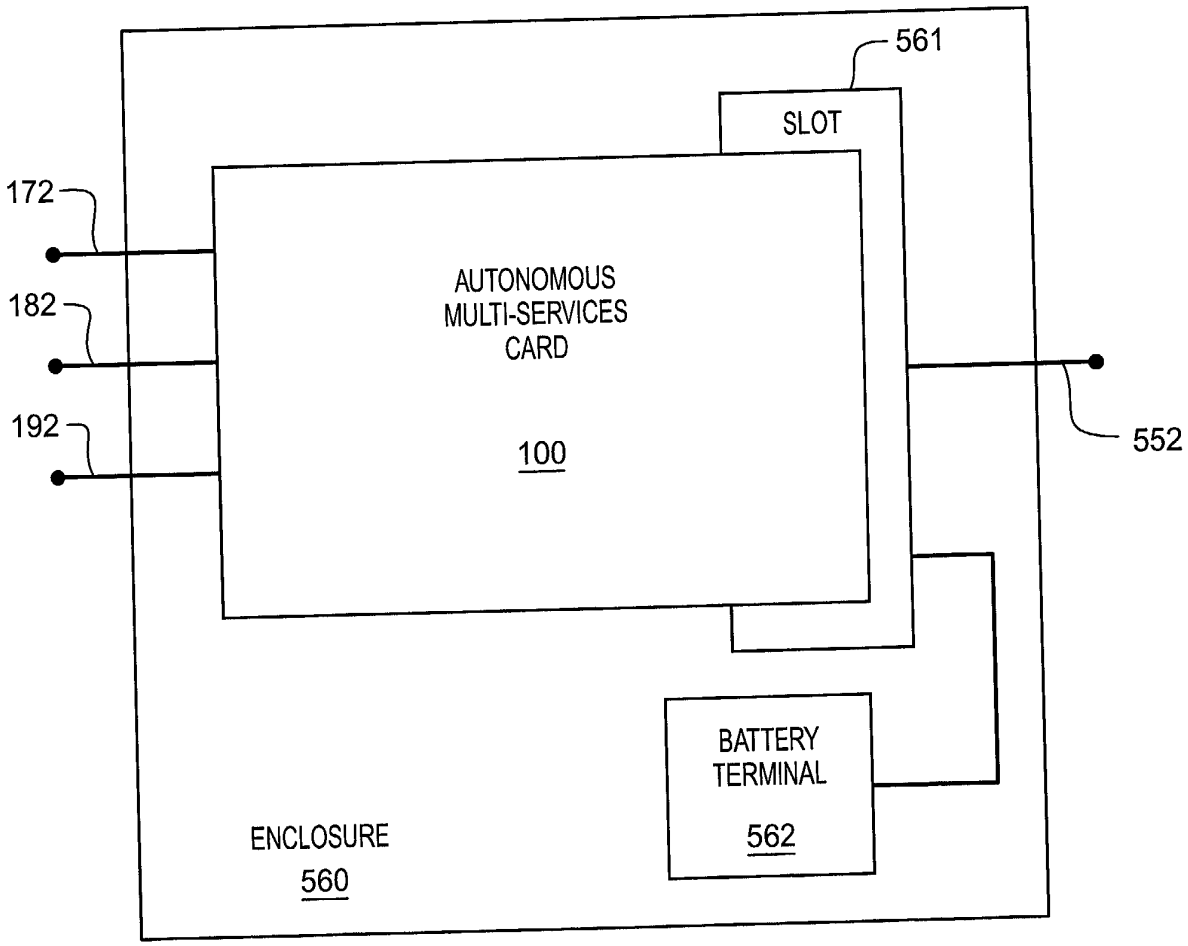

561
SLOT
172
182
192
AUTONOMOUS
MULTI-SERVICES
CARD
100
552
BATTERY
TERMINAL
562
ENCLOSURE
560

FIG. 5